

# 15CXN88

## ND COAXIAL



### Preliminary data

**1000 W**  
continuous program  
power capacity

**80°**  
nominal coverage

Single Neodymium  
magnet assembly

Aluminium  
demodulating ring  
for very low distortion

**99 dB**  
sensitivity

**45 - 18000 Hz**  
response

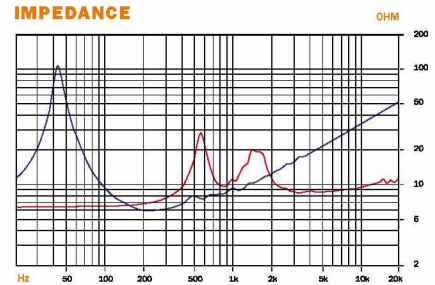
Double silicone spider  
with optimized  
compliance



### SENSITIVITY



### IMPEDANCE



### SPECIFICATIONS

Nom. Diameter	380 mm (15 in)
Nom. Impedance	8 Ω
Minimum Impedance	5.8 Ω (LF), 8.5 Ω (HF)
Frequency Range	45 - 18000 Hz
Dispersion Angle <sup>1</sup>	80°
Magnet Material	Neodymium Ring
Waterproof cone treatment	Front side
<b>LF UNIT</b>	
Sensitivity (1W/1m) <sup>2</sup>	99 dB
Power Handling Nom. (AES) <sup>3</sup>	500 W
Continuous Program <sup>4</sup>	1000 W
Voice Coil Diameter	88 mm (3.5 in)
Winding Material	Aluminium
Flux Density	1.2 T
Former Material	Glass Fibre
Winding Depth	22.0 mm (0.87 in)
Magnetic Gap Depth	11.0 mm (0.43 in)
<b>HF UNIT</b>	
Sensitivity (1W/1m) <sup>2</sup>	105 dB
Power Handling Nom. (AES) <sup>3</sup>	80 W
Continuous Program <sup>4</sup>	160 W

Voice Coil Diameter	75 mm (3.0 in)
Winding Material	Aluminium
Diaphragm Material	Titanium
Recommended Crossover <sup>5</sup>	1.2 kHz
Flux Density	1.75 T
Inductance	0.14 mH

### MOUNTING AND SHIPPING INFORMATION

Overall Diameter	392 mm (15.43 in)
Bolt Circle Diameter	374 mm (14.72 in)
Baffle Cutout Diameter	354 mm (13.94 in)
Depth	111 mm (4.4 in)
Flange and Gasket Thickness	218 mm (8.58 in)
Net Weight	5.6 kg (12.35 lb)
Shipping Weight	7.2 kg (15.87 lb)
Shipping Box	500x495x275 mm (19.68x19.48x10.83 in)

Also available in 4 and 16 Ω, data upon request

### THIELE & SMALL PARAMETERS

Fs	46 Hz
Re	4.5 Ω
Qes	0.29
Qms	8.3
Qts	0.28
Vas	137 dm <sup>3</sup> (4.84 ft <sup>3</sup> )
Sd	855 cm <sup>2</sup> (132.53 in <sup>2</sup> )
η <sub>0</sub>	4.3 %
X max	± 8 mm
X var	± 9.5 mm
Mms	91 g
Bl	20.2 T·m
Le	1.0 mH
EBP	158 Hz

Service kit LF	RCK15CXN88-8
Service kit HF	MMD3DTN-8M

<sup>1</sup> 1 Included by -6 dB down points.

<sup>2</sup> Applied RMS Voltage is set to 2.83V.

<sup>3</sup> LF - Two hour test made with continuous pink noise signal (6 dB crest factor) within the range Fs-10Fs. Loudspeaker in free air.

HF - Two hour test made with continuous pink noise signal (6 dB crest factor) within the range from the recommended crossover frequency to 20 kHz. LF and HF Power calculated on rated minimum impedance.

<sup>4</sup> Power on Continuous Program is defined as 3 dB greater than the Nominal rating.

<sup>5</sup> 12 dB/oct. or higher slope high-pass filter.